

Converting Colors

$Y_{xy}(75.8679, 0.2540, 0.4167)$

Have a look what the booklet for
Yxy(75.8679, 0.2540, 0.4167)
contains.

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Color

Yxy(75.8546, 0.2541, 0.4171)

Conversions

Conversions Part 1

Format	Color
Hex	33FFBC
RGB	51, 255, 188
RGB Percent	20%, 100%, 74%
CMY	0.7993, 0.0000, 0.2626
CMYK	0.80, 0.00, 0.26, 0.00
HSL	160°, 100%, 60%
HSV	160°, 80%, 100%
XYZ	46.2111, 75.8546, 59.7962
YIQ	186.3660, -100.0770, -64.0850

Conversions

Conversions Part 2

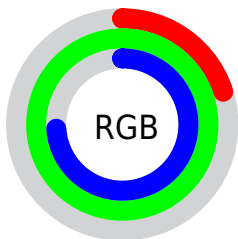
Format	Color
RYB	51, 173, 255
Decimal	3407804
CIELab	89.79, -62.84, 18.62
CIELCh	90, 65.536, 163.497
Yxy	75.8546, 0.2541, 0.4171
Android (android.graphics.Color)	4281597884 (0xFF33FFBC)
YUV	186.3660, 0.8056, -118.7160
Hunter-Lab	87.0945, -57.7059, 20.2597

Details

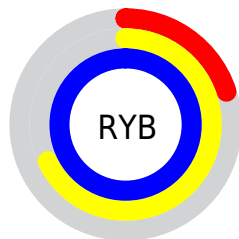
The Yxy color **75.8546, 0.2541, 0.4171** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **24.9551, 0.5064, 0.2765**, and the grayscale version is **49.3894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7975, 0.2528, 0.3415**, and **41.6818, 0.2543, 0.4355** is the 20% darker color. If you saturate the color by 10%, you get **75.0134, 0.2543, 0.4298**, and if you desaturate by 10%, it is **77.0857, 0.2560, 0.4043**.

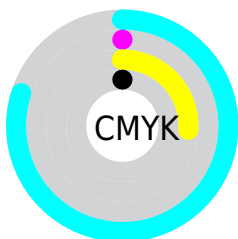
Distribution



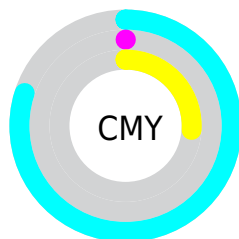
- Red (20%)
- Green (100%)
- Blue (74%)



- Red (20%)
- Yellow (68%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.8546, 0.2541, 0.4171 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 75.8546, 0.2541, 0.4171 by changing the saturation by 10% instead.


 75.8546, 0.2541,
0.4171

 75.8546, 0.2541,
0.4171


480.8498, 0.2820,
0.3742

 56.3133, 0.2476,
0.4274


 127.5214, 0.2639,
0.4018

 40.4542, 0.2394,
0.4404


 160.4156, 0.2677,
0.3960

 27.8928, 0.2289,
0.4572


 198.5296, 0.2710,
0.3910

 18.2449, 0.2151,
0.4798

 242.2477, 0.2738,
0.3868

 11.1259, 0.1961,
0.5117

291.9544, 0.2762,
0.3830

 6.1516, 0.1685,
0.5596


348.0341, 0.2784,

 2.9375, 0.1199,


0.3797


0.6420


410.8711, 0.2803,
0.3768

 1.0992, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.8546, 0.2541,
0.4171


 75.8546, 0.2541,
0.4171

 75.0134, 0.2543,
0.4298


 77.0857, 0.2560,
0.4043

 74.4686, 0.2562,
0.4423

 78.7500, 0.2599,
0.3917

 74.4650, 0.2562,
0.4424

 80.8943, 0.2657,
0.3794

 83.5568, 0.2731,
0.3677

■ 86.7720, 0.2818,
0.3567

■ 90.5713, 0.2915,
0.3466

■ 94.9835, 0.3020,
0.3373

■ 99.9969, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.8546, 0.3256, 0.4683



75.8546, 0.2541, 0.4171



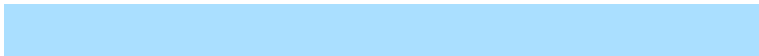
75.8546, 0.2023, 0.3343

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.8546, 0.2541, 0.4171



75.8546, 0.2221, 0.2117



75.8546, 0.4664, 0.3644

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



75.8546, 0.2541, 0.4171



24.9551, 0.5064, 0.2765

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.8546, 0.4337, 0.3082



75.8546, 0.2541, 0.4171



75.8546, 0.2839, 0.2251

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.8546, 0.2541, 0.4171



75.8546, 0.1870, 0.2230



75.8546, 0.3629, 0.2592



75.8546, 0.4506, 0.4205

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.8546, 0.2541, 0.4171



75.8546, 0.1840, 0.2840



75.8546, 0.3629, 0.2592



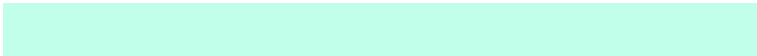
75.8546, 0.4609, 0.3453

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



75.8576, 0.2541, 0.4171



88.9547, 0.2875, 0.3506



75.6883, 0.3255, 0.5602



18.7542, 0.2840, 0.3542



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.8576, 0.2541, 0.4171



74.6637, 0.2553, 0.4374



59.6558, 0.2170, 0.2859



20.3740, 0.3024, 0.3369



38.9400, 0.2556, 0.4403



3.8116, 0.2517, 0.4260

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



24.9551, 0.5064, 0.2765



22.2305, 0.5593, 0.2877



28.0215, 0.5687, 0.3533



18.0855, 0.3242, 0.3212



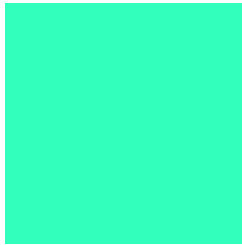
11.4659, 0.5665, 0.2894



1.1356, 0.5346, 0.2719

Previews

White Background



This preview shows how the Yxy color 75.8546, 0.2541, 0.4171 looks on a white background.

Color Contrast Check

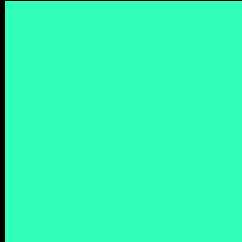
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 75.8546, 0.2541, 0.4171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

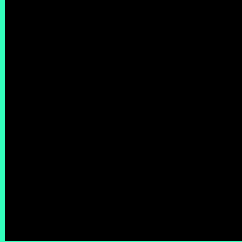
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.8546, 0.2541, 0.4171

Background



This preview shows how black text looks on a background with the Yxy color 75.8546, 0.2541, 0.4171.



This preview shows how white text looks on a background with the Yxy color 75.8546, 0.2541, 0.4171.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

75.8546, 0.2541, 0.4171

Protanopia

74.1432, 0.3587, 0.3825

Deuteranopia

73.8921, 0.3557, 0.3475



Tritanopia

75.2910, 0.2498, 0.3116

Trichromacy



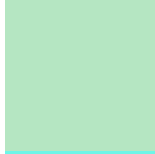
Original Color

75.8546, 0.2541, 0.4171



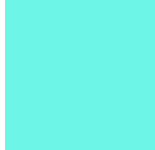
Protanomaly

71.2889, 0.3050, 0.3986



Deuteranomaly

70.3124, 0.3021, 0.3720



Tritanomaly

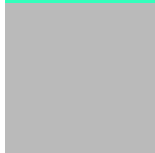
74.3255, 0.2485, 0.3460

Monochromacy



Original Color

75.8546, 0.2541, 0.4171



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

55.4948, 0.2773, 0.3614

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.8546, 0.2541, 0.4171 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(51, 255, 188)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 188)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(51, 255, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 188) }
```

Border

The CSS property to change the border of an element to Yxy 75.8546, 0.2541, 0.4171 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(51, 255, 188) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(51, 255, 188) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(51, 255, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 188);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 75.8546, 0.2541, 0.4171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 188) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(51, 255,  
188) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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